

Routisvils
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CLASSIFICATION AND CORRELATION

File - Indiana
soils 11

OF

THE SOILS OF

ELKHART COUNTY INDIANA

APRIL 1968



SOIL CONSERVATION SERVICE, USDA
MIDWEST REGIONAL TECHNICAL SERVICE CENTER
LINCOLN, NEBRASKA

UNITED STATES DEPARTMENT OF AGRICULTURE
Soil Conservation Service
Midwest Regional Technical Service Center
Lincoln, Nebraska 68508

Classification and Correlation
of the soils of
Elkhart County, Indiana

This correlation was prepared in conference February 12 to 16, 1968 by F. W. Sanders, SCS; H. P. Ulrich, Purdue University; Frank R. Kirschner, SCS (party chief); and John E. McClelland. The soils handbook, field correlation and notes, revised soil series descriptions, soil correlation samples, and some laboratory data were available.

Symbol	Field Name ^{1/}	Approved Name
6013	Eel fine sandy loam	) Alluvial land, loamy
6013-A-0)
5013	Eel loam)
5013-A-0)
5014	Genesee loam)
5014-A-0)
6014	Genesee fine sandy loam)
6014-A-0)
<u>6013</u>	Eel fine sandy loam, overwash	) Alluvial land, mixed
5013	Eel loam, overwash)
5013-A-0)
7014	Genesee loamy fine sand)
7014-A-0)
6014C	Genesee fine sandy loam,)
6014C-A-0	channeled)
5033	Griffin loam)
5033-A-0)
5	Riverwash)
6012	Shoals fine sandy loam)
6012-A-0)
5012C	Shoals loam, channeled)
5012C-A-0)
<u>5012</u>	Shoals loam, overwash)
5012-A-0)
5012W	Shoals loam, wet)
5012W-A-0)
12C	Shoals silt loam, channeled)
12C-A-0)
12W	Shoals silt loam, wet)
12W-A-0)

^{1/} Unless indicated otherwise, slopes are 0 to 2 percent and the erosion class is non-eroded or slightly eroded.

Symbol	Field Name ^{1/}	Approved Name
6422-A-1	Aubbeenaubbee sandy loam) Aubbeenaubbee sandy loam
6422-B-1	Aubbeenaubbee sandy loam, 2-6% slopes	
732-A-1	Blount silt loam	Blount silt loam, 0 to 2 percent slopes
732-B-1	Blount silt loam, 2-6% slopes) Blount silt loam 2 to 4 percent slopes, eroded slopes, moderately eroded
732-B-2	Blount silt loam, 2-6% slopes, moderately eroded	
Borrow pits	Borrow pits	Borrow pits
7322-A-1	Brady loamy fine sand) Brady sandy loam (Areas of 6322fe-A-1 will be further identified on maps by the addition of an "ad hoc" symbol, one symbol for each 5 acres or less.)
6322-A-1	Brady fine sandy loam	
6322fe-A-1	Brady fine sandy loam, ferruginous	
5322-A-1	Brady loam	
6502-A-1	Willvale fine sandy loam	
6934-A-1	Bremen fine sandy loam) Bremen sandy loam, 0 to 2 percent slopes
6184-A-1	Kendallville fine sandy loam	
6424-A-1	Metea fine sandy loam	
6934-B-1	Bremen fine sandy loam, 2-6% slopes) Bremen sandy loam, 2-6% slopes
6934-B-2	Bremen fine sandy loam, 2-6% slopes, moderately eroded	
6424-B-1	Metea fine sandy loam, 2-6% slopes)
6424-B-2	Metea fine sandy loam, 2-6% slopes, moderately eroded	
6144-B-1	Miami fine sandy loam, 2-6% slopes)
6144-B-2	Miami fine sandy loam, 2-6% slopes, moderately eroded	
6184-B-1	Kendallville fine sandy loam, 2-6% slopes)
6184-B-2	Kendallville fine sandy loam, 2-6% slopes, moderately eroded	

Symbol	Field Name ^{1/}	Approved Name
6934-C-1	Bremen fine sandy loam, 6-12% slopes	) Bremen sandy loam,) 6 to 12 percent slopes
6934-C-2	Bremen fine sandy loam, 6-12%) slopes, moderately eroded)
6184-C-1	Kendallville fine sandy loam, 6-12% slopes)
6184-C-2	Kendallville fine sandy loam, 6-12% slopes, moderately eroded)
6424-C-1	Metea fine sandy loam, 6-12% slopes)
6424-C-2	Metea fine sandy loam, 6-12%) slopes, moderately eroded)
6144-C-1	Miami fine sandy loam, 6-12% slopes)
6934-D-1	Bremen fine sandy loam, 12-18% slopes	) Bremen sandy loam,) 12 to 18 percent slopes,
6934-D-2	Bremen fine sandy loam, 12-18% slopes, moderately eroded	) eroded
5934-D-2	Bremen loam, 12-18%) slopes, moderately eroded)
6184-D-1	Kendallville fine sandy loam, 12-18% slopes)
6184-D-2	Kendallville fine sandy loam, 12-18% slopes, moderately eroded)
6184-D-3	Kendallville fine sandy loam, 12-18% slopes, severely eroded)
6144-D-1	Miami fine sandy loam, 12-18% slopes)
6144-D-2	Miami fine sandy loam, 12-18% slopes, moderately eroded)
6934-E-1	Bremen sandy loam, 18-25% slopes	) Bremen sandy loam,) 18 to 25 percent slopes,
6934-E-2	Bremen sandy loam, 18-25%) slopes, moderately eroded	) eroded
6934-F-1	Bremen sandy loam, 25-35% slopes)
6934-F-2	Bremen sandy loam, 25-35%) slopes, moderately eroded)
5934-F-2	Bremen loam, 25-35%) slopes, moderately eroded)

Symbol	Field Name <u>1/</u>	Approved Name
5934-A-1	Bremen loam	) Bremen loam,
5184-A-1	Kendallville loam	) 0 to 2 percent slopes
5144-A-1	Miami loam)
144-A-1	Miami silt loam)
5934-B-1	Bremen loam, 2-6% slopes	) Bremen loam,
5934-B-2	Bremen loam, 2-6% slopes, moderately eroded	) 2 to 6 percent slopes, eroded
5184-B-1	Kendallville loam, 2-6% slopes)
5184-B-2	Kendallville loam, 2-6% slopes, moderately eroded)
5934-C-1	Bremen loam, 6-12% slopes	) Bremen loam,
5934-C-2	Bremen loam, 6-12% slopes, moderately eroded	) 6 to 12 percent slopes, eroded
5184-C-1	Kendallville loam, 6-12% slopes)
5184-C-2	Kendallville loam, 6-12% slopes, moderately eroded)
0303-A-1	Nekoosa fine sand	) Brems loamy fine sand
0303-B-1	Nekoosa fine sand, 2-6% slopes)
7303-A-1	Nekoosa loamy fine sand)
0283-A-1	Ottokee fine sand)
7283-A-0	Ottokee loamy fine sand)
7283-A-1)
7283-B-1	Ottokee loamy fine sand, 2-6% slopes)
71133-A-1	Teegarden loamy fine sand)
6322-B-1	Brady fine sandy loam, 2-6% slopes	) Bronson sandy loam
7323-A-1	Bronson loamy fine sand)
7323fe-A-1	Bronson loamy fine sand, ferruginous)
6323-A-1	Bronson fine sandy loam)
6503-A-1	Hanna fine sandy loam)

Symbol	Field Name <u>1/</u>	Approved Name
5188	Berville loam	) Brookston silt loam
5188-A-0)
5148	Brookston loam)
5148-A-0)
148	Brookston silt loam)
148-A-0)
148-A-1)
148m-A-0	Brookston silt loam, mucky)
3148	Brookston silty clay loam)
3148-A-0)
3148-A-1)
808	Lenawee silt loam)
808-A-0)
808M	Lenawee silt loam, mucky)
808W)
3808	Lenawee silty clay loam)
3808-A-0)
3808M	Lenawee silty clay loam,)
3808M-A-0	mucky)
140W	Carlisle muck, wet	) Carlisle muck
140W-A-0)
280W	Houghton muck, wet)
280W-A-0)
140	Carlisle muck	) Carlisle muck, drained
140-A-0)
140F)
280	Houghton muck)
280-A-0)
0425-A-1	Chelsea fine sand	) Chelsea fine sand,
7425-A-1	Chelsea loamy fine sand	) 0 to 2 percent slopes
0415-A-1	Spinks fine sand)
7415-A-1	Spinks loamy fine sand)
7425-B-1	Chelsea fine sand, 2-6% slopes	) Chelsea fine sand, 2 to 6 percent slopes
0425-B-1	Chelsea loamy fine sand, 2-6% slopes)
0415-B-1	Spinks fine sand, 2-6% slopes)
7415-B-1	Spinks loamy fine sand, 2-6% slopes)

Symbol	Field Name ^{1/}	Approved Name
0425-C-1	Chelsea fine sand, 6-12% slopes	) Chelsea fine sand,) 6 to 12 percent slopes
0425-C-2	Chelsea fine sand, 6-12% slopes, mod. eroded)
0425-D-1	Chelsea fine sand, 12-18% slopes)
0425-E-1	Chelsea fine sand, 18-25% slopes)
7425-E-2	Chelsea loamy fine sand, 18-25% slopes, mod. eroded)
0415-C-1	Spinks fine sand, 6-12% slopes)
0415-C-2	Spinks fine sand, 6-12%)
0415-CK-2	slopes, moderately eroded)
0415-D-1	Spinks fine sand, 12-18% slopes)
0415-D-2	Spinks fine sand, 12-18% slopes, moderately eroded)
7415-D-2	Spinks loamy fine sand, 12-18% slopes, mod. eroded)
6142-A-1	Crosby fine sandy loam	) Crosby loam,
5142-A-1	Crosby loam	) 0 to 2 percent slopes
142-A-1	Crosby silt loam)
5932-A-1	Inwood loam)
6182-A-1	Macomb fine sandy loam)
5182-A-1	Macomb loam)
6142-B-1	Crosby fine sandy loam, 2-6% slopes	) Crosby loam,) 2 to 4 percent slopes
5142-B-1	Crosby loam, 2-6% slopes)
5142-B-2	Crosby loam, 2-6% slopes, moderately eroded)
142-B-1	Crosby silt loam, 2-6% slopes)
142-B-2	Crosby silt loam, 2-6% slopes, moderately eroded)
5932-B-1	Inwood loam, 2-6% slopes)
142V-A-1	Crosby silt loam, variant	) Del Rey silt loam
142V-B-1	Crosby silt loam, variant, 2-6% slopes)
142V-B-2	Crosby silt loam, variant, 2-6% slopes, mod. eroded)
5802-A-1	Del Rey loam)
802-A-1	Del Rey silt loam)
802-B-1	Del Rey silt loam, 2-6% slopes)

Symbol	Field Name <u>1</u> /	Approved Name
61115-A-1	Sumner fine sandy loam) Dickinson sandy loam
61115-B-1	Sumner fine sandy loam, 2-6% slopes	
61115-B-2	Sumner fine sandy loam, 2-6% slopes, mod. eroded	
61115-C-1	Sumner fine sandy loam, 6-12% slopes	
61115-C-2	Sumner fine sandy loam 6-12% slopes, mod. eroded	
61085-A-1	Dowagiac fine sandy loam) Dowagiac loam
61085-B-1	Dowagiac fine sandy loam, 2-6% slopes	
61085-B-2	Dowagiac fine sandy loam, 2-6% slopes, mod. eroded	
51085-A-1	Dowagiac loam	
6414-A-1	Hillsdale fine sandy loam	
6915-A-1	Kalamazoo fine sandy loam) Kalamazoo loam
5915-A-1	Kalamazoo loam	
340	Edwards muck) Edwards muck
340-A-0		
340W-A-0	Edwards muck, wet	
340W		
5340	Warners loam	
5340-A-0) (Areas of 340W-A-0, 340W, 5340W, 5340W-A-0 will be further identified on maps by the addition of standard map symbols for marsh, one symbol for each 5 acres or less.)
5340W	Warners loam, wet	
5340W-A-0		
8335-A-1	Fox sandy loam) Fox sandy loam, 0 to 2 percent slopes
6335-A-1	Fox fine sandy loam	
5335-A-1	Fox loam	
6333-A-1	Ionia fine sandy loam	
6333fe-A-1	Ionia fine sandy loam, ferruginous	

Symbol	Field Name <u>1/</u>	Approved Name
6335-B-1	Fox fine sandy loam	) Fox sandy loam, 2 to 6 percent slopes
	2-6% slopes	
6335-B-2	Fox fine sandy loam,)
	2-6% slopes, mod. eroded	
6335fe-B-2	Fox fine sandy loam,)
	ferruginous, 2-6% slopes, mod. eroded	
5335-B-1	Fox loam, 2-6% slopes)
5335-B-2	Fox loam,	
	2-6% slopes, mod. eroded)
6414-B-1	Hillsdale fine sandy loam,	
	2-6% slopes)
6414-B-2	Hillsdale fine sandy loam,	
	2-6% slopes, mod. eroded)
6915-B-1	Kalamazoo fine sandy loam,	
	2-6% slopes)
6915-B-2	Kalamazoo fine sandy loam,	
	2-6% slopes, mod. eroded)
6335-C-1	Fox fine sandy loam,	
	6-12% slopes	) Fox sandy loam, 6 to 12 percent slopes, eroded
6335-C-2	Fox fine sandy loam,	
	6-12% slopes, mod. eroded)
6335-C-3	Fox fine sandy loam,	
	6-12% slopes, sev. eroded)
6915-C-1	Kalamazoo fine sandy loam,	
	6-12% slopes)
6915-C-2	Kalamazoo fine sandy loam,	
	6-12% slopes, mod. eroded)
5329	Gilford loam	
5329-A-0		) Gilford sandy loam (Wet phases (W) will be further identified on maps by the addi- tion of standard map symbols for marsh, one symbol for each 5 acres or less.)
6329	Gilford fine sandy loam	
6329-A-0)
6329W-A-0	Gilford fine sandy loam, wet	
6329W)
6328	Mongo fine sandy loam	
6328-A-0		) (Ferruginous phases--fe in sym- bol--will be further identified on maps by the addition of an "ad hoc" symbol, one symbol for each 5 acres or less.)
6328W-A-0	Mongo fine sandy loam, wet	
6328W)
5328-A-0	Mongo loam	
5328)
5328W-A-0	Mongo loam, wet	
5328W)
6329fe	Gilford sandy loam, iron phase	
5329fe	Gilford loam, iron phase	

Symbol	Field Name <u>1/</u>	Approved Name
6329M-A-0 6329M	Gilford fine sandy loam, mucky	Gilford mucky sandy loam
5329M-A-0 5329M	Gilford loam, mucky	
7288M-A-0 7288M	Granby loamy fine sandy, mucky	
6288M-A-0 6288M	Granby fine sandy loam, mucky	
7289M-A-0 7289M	Maumee loamy fine sand, mucky	
6289M 6289M-A-0	Maumee fine sandy loam, mucky	
6328M-A-0 6328M	Mongo fine sandy loam, mucky	
5328M 5328M-A-0	Mongo loam, mucky	
7308M-A-0 7308M	Newton loamy fine sandy, mucky	
6788M-A-0	Granby fine sandy loam, mucky	
Gravel pits G.P.	Gravel pit	Gravel pit
5732-A-1 6902-A-1	Blount loam	Haskins loam, 0 to 2 percent slopes
5902-A-1 902-A-1	Haskins fine sandy loam	
	Haskins loam	
	Haskins silt loam	
5732-B-1 5732-B-2	Blount loam, 2-6% slopes	Haskins loam, 2 to 4 percent slopes
6902-B-1 6902-B-2	Blount loam, 2-6% slopes, mod. eroded.	
5902-B-1 5902-B-2	Haskins fine sandy loam 2-6% slopes	
	Haskins fine sandy loam, 2-6% slopes, mod. eroded.	
	Haskins loam, 2-6% slopes	
	Haskins loam, 2-6% slopes, mod. eroded	
902-B-1 902-B-2	Haskins silt loam, 2-6% slopes	
	Haskins silt loam, 2-6% slopes, mod. eroded	

Symbol	Field Name <u>1/</u>	Approved Name
6332-A-1	Homer fine sandy loam) Homer loam
6332fe-A-1	Homer fine sandy loam, ferruginous	
6332-B-1	Homer fine sandy loam, 2-6% slopes	
5332-A-1	Homer loam	
5332fe-A-1	Homer loam, ferruginous	
5140	Linwood muck) Linwood muck (Wet phases (W) will be further identified on maps by the addi- tion of standard map symbols for marsh, one symbol for each 5 acres or less.)
5140-A-0		
5140W	Linwood muck, wet	
5140W-A-0		
3140W	Willette muck, wet	
3140W-A-0		
1	Made land) Made land
6	Marsh) Marsh
7309-A-0	Dillon loamy fine sand) Maumee loamy fine sand
7288	Granby loamy fine sand	
7288-A-0		
6288	Granby fine sandy loam	
6288-A-0		
7289	Maumee loamy fine sand	
7289-A-0		
7289W	Maumee loamy fine sand, wet	
7289W-A-0		
6289	Maumee fine sandy loam	
6289-A-0		
7308-A-0	Newton loamy fine sand	
7424-A-1	Metea loamy fine sand) Metea loamy fine sand 0 to 6 percent slopes
7424-B-1	Metea loamy fine sand, 2-6% slopes	
7424-B-2	Metea loamy fine sand, 2-6% slopes, mod. eroded	
7424V-A-1	Metea loamy fine sand, variant	
7424V-B-1	Metea loamy fine sand, variant, 2-6% slopes	
6424V-A-1	Metea fine sandy loam, variant	
6424V-B-1	Metea fine sandy loam, variant, 2-6% slopes	
6424V-B-2	Metea fine sandy loam, variant, 2-6% slopes, mod. eroded	

Symbol	Field Name ^{1/}	Approved Name
7424-C-1	Metea loamy fine sand, 6-12% slopes	Metea loamy fine sand, 6 to 12 percent slopes
7424-C-2	Metea loamy fine sand, 6-12% slopes, mod. eroded	
7424V-C-1	Metea loamy fine sand, variant, 6-12% slopes	
6424V-C-1	Metea fine sandy loam, variant, 6-12% slopes	
6424V-C-2	Metea fine sandy loam, variant, 6-12% slopes, mod. eroded	
5144-B-1	Miami loam, 2-6% slopes	Miami loam, 2 to 6 percent slopes, eroded
5144-B-2	Miami loam, 2-6% slopes, mod. eroded	
144-B-1	Miami silt loam, 2-6% slopes	
144-B-2	Miami silt loam, 2-6% slopes, mod. eroded	
5144-C-1	Miami loam, 6-12% slopes	Miami loam, 6 to 12 percent slopes, eroded
5144-C-2	Miami loam, 6-12% slopes, mod. eroded	
144-C-1	Miami silt loam, 6-12% slopes	
144-C-2	Miami silt loam, 6-12% slopes, mod. eroded	
5144-D-1	Miami loam, 12-18% slopes	Miami loam, 12 to 18 percent slopes, eroded.
5144-E-1	Miami loam, 18-25% slopes	
5144-E-2	Miami loam, 18-25% slopes, mod. eroded	
144-D-2	Miami silt loam, 12-18% slopes, mod. eroded	
144-G-1	Miami silt loam, over 35% slopes)	
5934-D-2	Bremen loam, 12-18% slopes, mod. eroded	
5934-E-2	Bremen loam, 18-25% slopes, mod. eroded	
5934-F-2	Bremen loam, 25-35% slopes, mod. eroded	

Symbol	Field Name ^{1/}	Approved Name
5934-C-3	Bremen loam, 6-12% slopes, sev. eroded	Miami clay loam, 6 to 12 percent slopes, severely eroded
5184-C-3	Kendallville loam, 6-12% slopes, sev. eroded	
5144-B-3	Miami loam, 2-6% slopes, sev. eroded	
5144-C-3	Miami loam, 6-12% slopes, sev. eroded	
144-B-3	Miami silt loam, 2-6% slopes, sev. eroded	
144-C-3	Miami silt loam, 6-12% slopes, sev. eroded	
734-B-3	Morley silt loam, 2-6% slopes, sev. eroded	
734-C-3	Morley silt loam, 6-12% slopes, sev. eroded	
5904-C-3	Rawson loam, 6-12% slopes, sev. eroded	
5934-D-3	Bremen loam, 12-18% slopes, sev. eroded	
5144-D-3	Miami loam, 12-18% slopes, sev. eroded	
5144-E-3	Miami loam, 18-25% slopes, sev. eroded	
144-D-3	Miami silt loam, 12-18% slopes, sev. eroded	
144-E-3	Miami silt loam, 18-25% slopes, sev. eroded	
71035-A-1	Boyer loamy fine sand	Oshtemo loamy sand, 0 to 2 percent slopes (Ferruginous phases-fe in symbol- will be further identified on maps by the addition of an "ad hoc" symbol, one symbol for each 5 acres or less.)
71035fe-A-1	Boyer loamy fine sand, ferruginous	
61035-A-1	Boyer fine sandy loam	
7325-A-1	Oshtemo loamy fine sand, ferruginous	
6325-A-1	Oshtemo fine sandy loam	
6325fe-A-1	Oshtemo fine sandy loam, ferruginous	
6505-A-1	Tracy fine sandy loam	
7325fe-A-1	Oshtemo loamy fine sand, ferruginous	

Symbol	Field Name <u>1/</u>	Approved Name
71035-B-1	Boyer loamy fine sand 2-6% slopes) Oshtemo loamy sand,) 2 to 6 percent slopes) (Ferruginous phases--fe in) symbol--will be further identi-) fied on maps by the addition of) an "ad hoc" symbol, one symbol) for each 5 acres or less.)
61035-B-1	Boyer fine sandy loam, 2-6% slopes	
61035-B-2	Boyer fine sandy loam, 2-6% slopes, mod. eroded	
61035fe-B-1	Boyer fine sandy loam, ferruginous, 2-6% slopes	
7323-B-1	Bronson loamy fine sand, 2-6% slopes	
6323-B-1	Bronson fine sandy loam, 2-6% slopes	
6323-B-2	Bronson fine sandy loam, 2-6% slopes, mod. eroded	
7325-B-1	Oshtemo loamy fine sand, 2-6% slopes	
7325-B-2	Oshtemo loamy fine sand, 2-6% slopes, mod. eroded	
7325fe-B-1	Oshtemo loamy fine sand, ferruginous, 2-6% slopes	
6325-B-1	Oshtemo fine sandy loam, 2-6% slopes	
6325-B-2	Oshtemo fine sandy loam, 2-6% slopes, mod. eroded	
6754-B-1	Sisson fine sandy loam, 2-6% slopes	
6505-B-1	Tracy fine sandy loam, 2-6% slopes	
6505-B-2	Tracy fine sandy loam, 2-6% slopes, mod. eroded	

Symbol	Field Name ^{1/}	Approved Name
71035-C-1	Boyer loamy fine sand 6-12% slopes	Oshtemo loamy sand, 6 to 12 percent slopes
71035-C-2	Boyer loamy fine sand 6-12% slopes, mod. eroded	
61035-C-1	Boyer fine sandy loam, 6-12% slopes	
61035-C-2	Boyer fine sandy loam, 6-12% slopes, mod. eroded	
61035-C-3	Boyer fine sandy loam, 6-12% slopes, sev. eroded	
61065-C-2	Casco fine sandy loam, 6-12% slopes, mod. eroded	
7325-C-1	Oshtemo loamy fine sand, 6-12% slopes	
7325-C-2	Oshtemo loamy fine sand, 6-12% slopes, mod. eroded	
7325-CK-2	Oshtemo fine sandy loam, 6-12% slopes	
6325-C-1	Oshtemo fine sandy loam, 6-12% slopes, mod. eroded	
6325-C-2	Tracy fine sandy loam, 6-12% slopes	
6505-C-1	Tracy fine sandy loam, 6-12% slopes, mod. eroded	
6505-C-2		
71035-D-1	Boyer loamy fine sand, 12-18% slopes	Oshtemo loamy sand, 12 to 18 percent slopes
71035-D-2	Boyer loamy fine sand, 12-18% slopes, mod. eroded	
61035-D-1	Boyer fine sandy loam, 12-18% slopes	
61035-D-2	Boyer fine sandy loam, 12-18% slopes, mod. eroded	
6335-D-2	Fox fine sandy loam, 12-18% slopes, mod. eroded	
8145-D-1	Fox sandy loam, kame, 12-18% slopes	
8145-D-2	Fox sandy loam, kame, 12-18% slopes, mod. eroded	
6145-D-3	Fox fine sandy loam, kame, 12-18% slopes, sev. eroded	
7325-D-1	Oshtemo loamy fine sand, 12-18% slopes	
7325-D-2	Oshtemo loamy fine sand, 12-18% slopes, mod. eroded	
7325-DK-2	Oshtemo fine sandy loam, 12-18% slopes	
6325-D-1	Oshtemo fine sandy loam, 12-18% slopes, mod. eroded	
6325-D-2		

Symbol	Field Name <u>1/</u>	Approved Name
71035-E-2	Boyer loamy fine sand, 18-25% slopes, mod. eroded	Oshtemo loamy sand, 18 to 25 percent slopes
71035-F-1	Boyer loamy fine sand, 25-35% slopes	
71035-G-1	Boyer loamy fine sand, 35% and steeper slopes	
61035-E-2	Boyer fine sandy loam, 18-25% slopes, mod. eroded	
61035-F-1	Boyer fine sandy loam, 25-35% slopes	
61035-F-2	Boyer fine sandy loam, 25-35% slopes, mod. eroded	
6145-E-2	Fox fine sandy loam, kame, 18-25% slopes, mod. eroded	
7325-E-1	Oshtemo loamy fine sand, 18-25% slopes	
7325-E-2	Oshtemo loamy fine sand, 18-25% slopes, mod. eroded	
7325-F-1	Oshtemo loamy fine sand, 25-35% slopes	
7325-F-2	Oshtemo loamy fine sand, 25-35% slopes, mod. eroded	
6325-E-2	Oshtemo fine sandy loam, 18-25% slopes, mod. eroded	
738	Pewamo silt loam	Pewamo silty clay loam
738-A-0		
3738	Pewamo silty clay loam	
3738-A-0		
238	Toledo silt loam	
238-A-0		
3238	Toledo silty clay loam	Plainfield fine sand, 0 to 2 percent slopes (Ferruginous phases--fe in symbol--will be further identi- fied on maps by the addition of an "ad hoc" symbol, one symbol for each 5 acres or less.)
3238-A-0		
0285-A-1	Oakville fine sand	
0285fe-A-1	Oakville fine sand, ferruginous	
7285-A-1	Oakville loamy fine sand	
0305-A-1	Plainfield fine sand	
7305-A-1	Plainfield loamy fine sand	

Symbol	Field Name <u>1/</u>	Approved Name
0285-B-1	Oakville fine sand, 2-6% slopes	Plainfield fine sand, 2 to 6 percent slopes
0285-B-2	Oakville fine sand, 2-6% slopes, mod. eroded	
7285-B-1	Oakville loamy fine sand, 2-6% slopes	
7285-B-2	Oakville loamy fine sand, 2-6% slopes, mod. eroded	
0305-B-1	Plainfield fine sand, 2-6% slopes	
0305-B-2	Plainfield fine sand, 2-6% slopes, mod. eroded	
7305-B-1	Plainfield loamy fine sand, 2-6% slopes	
7305-B-2	Plainfield loamy fine sand, 2-6% slopes, mod. eroded	
0285-C-1	Oakville fine sand, 6-12% slopes	Plainfield fine sand, 6 to 12 percent slopes
0285-C-2	Oakville fine sand, 6-12% slopes, mod. eroded	
0285-D-1	Oakville fine sand, 12-18% slopes	
0285-D-2	Oakville fine sand, 12-18% slopes, mod. eroded	
7285-D-1	Oakville loamy fine sand, 12-18% slopes	
7285-D-2	Oakville loamy fine sand, 12-18% slopes, mod. eroded	
0305-C-1	Plainfield fine sand, 6-12% slopes	
0305-C-2	Plainfield fine sand, 6-12% slopes, mod. eroded	
0305-D-1	Plainfield fine sand, 12-18% slopes	
0305-D-2	Plainfield fine sand, 12-18% slopes, mod. eroded	
0305-E-1	Plainfield fine sand, 18-25% slopes	
0305-E-2	Plainfield fine sand, 18-25% slopes, mod. eroded	
0305-F-1	Plainfield fine sand, 25-35% slopes	
7305-C-1	Plainfield loamy fine sand, 6-12% slopes	
7305-C-2	Plainfield loamy fine sand, 6-12% slopes, mod. eroded	
7305-D-1	Plainfield loamy fine sand, 12-18% slopes	
7305-D-2	Plainfield loamy fine sand, 12-18% slopes, mod. eroded	

Symbol	Field Name <u>1/</u>	Approved Name
6184V-A-1	Kendallville fine sandy loam, variant	Rawson loam, 0 to 2 percent slopes
5904-A-1	Rawson loam	
6904-A-1	Rawson fine sandy loam	
6734-B-1	Morley fine sandy loam 2-6% slopes	Rawson loam, 2 to 6 percent slopes
6734-B-2	Morley fine sandy loam, 2-6% slopes, mod. eroded	
5734-B-2	Morley loam, 2-6% slopes, mod. eroded	
734-B-1	Morley silt loam, 2-6% slopes	
734-B-2	Morley silt loam, 2-6% slopes, mod. eroded	
6904-B-1	Rawson fine sandy loam, 2-6% slopes	
6904-B-2	Rawson fine sandy loam, 2-6% slopes, mod. eroded	
5904-B-1	Rawson loam, 2-6% slopes	
5904-B-2	Rawson loam, 2-6% slopes, mod. eroded	
5904-B-3	Rawson loam, 2-6% slopes, sev. eroded	
734-C-1	Morley silt loam, 6-12% slopes	Rawson loam, 6 to 12 percent slopes, eroded
734-C-2	Morley silt loam, 6-12% slopes, mod. eroded	
6904-C-1	Rawson fine sandy loam, 6-12% slopes	
6904-C-2	Rawson fine sandy loam, 6-12% slopes, mod. eroded	
6904-C-3	Rawson fine sandy loam, 6-12% slopes, sev. eroded	
5904-C-1	Rawson loam, 6-12% slopes	
5904-C-2	Rawson loam, 6-12% slopes, mod. eroded	
5904-C-3	Rawson loam, 6-12% slopes, sev. eroded	
5904-D-1	Rawson loam, 12-18% slopes	
5904-D-2	Rawson loam, 12-18% slopes, mod. eroded	
734-B-3	Morley silt loam, 2-6% slopes, severely eroded	

Symbol	Field Name <u>1</u> /	Approved Name
5488	Mahalasville loam) Rensselaer silt loam
5488-A-0		
488	Mahalasville silt loam	
488-A-0		
488M-A-0	Mahalasville silt loam, mucky	
488M)
758	Colwood loam) Sebewa loam (Areas of 5338fe will be further identified on maps by the addi- tion of an "ad hoc" symbol, one symbol for each 5 acres or less)
758-A-0	Colwood silt loam	
758M-A-0	Colwood silt loam, mucky	
738M	Pewamo silt loam, mucky	
6338	Sebewa fine sandy loam	
6338-A-0		
5338	Sebewa loam	
5338-A-0		
5338fe	Sebewa loam, ferruginous	
5338fe-A-0		
5338M	Sebewa loam, mucky	
5338M-A-0		
338-A-0	Sebewa silt loam	
338		
338M	Sebewa silt loam, mucky	
338M-A-0		
5448	Westland loam	
5448-A-0		
5012	Shoals loam) Shoals loam
5012-A-0		
12	Shoals silt loam	
12-A-0)
7280W	Adrian muck, wet) Tawas muck.
7280W-A-0		
7140W	Tawas muck, wet	
7140W-A-0		
7280	Adrian muck) Tawas muck, drained (Areas of 7140fe will be further identified on maps by the addi- tion of an "ad hoc" symbol, one symbol for each 5 acres or less)
7280-A-0		
7140	Tawas muck	
7140-A-0		
7280-A-1	Tawas muck, ferruginous	
7140fe		
71132-A-1	Donaldson loamy fine sand) Tedrow loamy sand.
61132-A-1	Donaldson fine sandy loam	
7302-A-1	Morocco loamy fine sand	
6302-A-1	Morocco fine sandy loam	
7282-A-1	Tedrow loamy fine sand	
6282-A-1	Tedrow fine sandy loam	

Symbol	Field Name <u>1/</u>	Approved Name
7505-A-1	Tracy loamy fine sand) Tyner loamy sand,) 0 to 2 percent slopes
71135-A-1	Tyner loamy fine sand	
71025-B-1	Ottawa loamy fine sand, 2-6% slopes) Tyner loamy sand,) 2 to 6 percent slopes)))
61025-B-1	Ottawa fine sandy loam, 2-6% slopes	
71135-B-1	Tyner loamy fine sand, 2-6% slopes	
71135-B-2	Tyner loamy fine sand, 2-6% slopes, mod. eroded	
71025-C-1	Ottawa loamy fine sand 6-12% slopes	
71025-D-1	Ottawa loamy fine sand, 12-18% slopes) Tyner loamy sand,) 6 to 12 percent slopes))))))
71025-D-2	Ottawa loamy fine sand, 12-18% slopes, mod. eroded	
61025-C-2	Ottawa fine sandy loam, 6-12% slopes, mod. eroded	
71135-C-1	Tyner loamy fine sand, 6-12% slopes	
71135-C-2	Tyner loamy fine sand, 6-12% slopes, mod. eroded	
71135-D-1	Tyner loamy fine sand, 12-18% slopes	
71135-D-2	Tyner loamy fine sand, 12-18% slopes, mod. eroded	
61095-B-1	Volinia fine sandy loam, 2-6% slopes) Volinia loam))))
51095-A-1	Volinia loam	
51095-B-1	Volinia loam, 2-6% slopes	
51095-B-2	Volinia loam, 2-6% slopes, mod. eroded	
51095-C-2	Volinia loam, 6-12% slopes, mod. eroded	
5100	Wallkill loam) Wallkill silt loam) (Areas of 100W and 100W-A-0) will be further identified on) maps by the addition of standard) map symbols for wet spots, one) symbol for each 5 acres or less))))
5100-A-0	Wallkill silt loam	
100	Wallkill silt loam	
100-A-0	Wallkill silt loam, wet	
100W	Wallkill silt loam, wet	
100W-A-0	Wallkill silty clay loam	
3100	Wallkill silty clay loam	
3100-A-0		
5108	Washtenaw loam) Washtenaw silt loam))))
5108-A-0	Washtenaw silt loam	
108	Washtenaw silt loam	
108-A-0	Washtenaw silt loam, wet	
108W	Washtenaw silt loam, wet	
108W-A-0		

Symbol	Field Name <u>1/</u>	Approved Name
6482-A-1	Whitaker fine sandy loam) Whitaker loam
5482-A-1	Whitaker loam	
5482-B-1	Whitaker loam, 2-6% slopes	
482-A-1	Whitaker silt loam	
482-B-1	Whitaker silt loam, 2-6% slopes	

Notes for Map Compilation

Seven slope groups are indicated in this correlation, A, B, C, D, E, F, and G. Where no slope or erosion is included in the symbol, e.g. 6013 (the first listed symbol), A slope and 0 erosion is implied. For B, C, and D slopes, a numerical value is used instead of the slope group, e.g. 732-B-1, Blount silt loam, 2 to 4 percent slopes, may be represented on the maps by symbols 732-3-1, 732-4-1, 732-5-1, and 732-6-1. The actual slopes mapped in each of these slope groups is listed below:

B - includes 3, 4, 5, 6 percent slopes

C - includes 7, 8, 9, 10, 11, 12 percent slopes

D - includes 13, 14, 15, 16, 17, 18 percent slopes.

If other numerical slope values inadvertently occur on the maps, A slopes include 0, 1, and 2 percent slopes, E slopes include 19 to and including 25 percent slopes, F slopes include 26 to and including 35 percent slopes, and G slopes are 36 percent and steeper slopes. The letter "K" following a slope group or numerical slope value should be disregarded. Symbols for overwashed phases are overscored. No symbols are underlined.

Series recommended for establishment

Bremen

Series previously recommended for establishment

Brems (Lake County, Indiana)

Tyner (Lake County, Indiana)

Approved: April 16, 1968

John E. McClelland

John E. McClelland

Principal Soil Correlator, MRTSC

Correlation and Classification

of the Soils of
Elkhart County, Indiana

by

F. W. Sanders, H. P. Ulrich, Frank R. Kirschner, and John E. McClelland

1. ALLUVIAL LAND, LOAMY

This unit consists of stratified coarse-loamy textural sediments. The soils were included in the Eel series, but the Eel series contains more than 18 percent clay in the control section. Because the soil is inextensive (454 acres) and there are no series in appropriate families in Aquic Udifluvents or in Aquic Fluventic Eutrochrepts, it was decided to include the soils in this land type.

2. CARLISLE SERIES

The soils are too wet to cultivate unless drained. The drained phases are held apart because they are cultivated, corn being the principal crop.

3. EDWARDS SERIES

44 acres of Warners loam were combined with Edwards muck. The soils consist of marl beds overlain by shallow accumulations of muck. Where cultivated some marl is incorporated into the plow layer. The inclusion of this Warners unit will be explained in the report.

4. MARSH

Shallow lakes and marshes were correlated marsh. The vegetation in most of these areas consists of sedges, reeds, rushes, water-tolerant grasses, shrubs, and, in places, trees. The soils are peats, mucks, and mineral soils with variable textures. Most of the time they are covered with water.

5. TAWAS SERIES

The drained phases were set apart because of differences in use and management, drained phases being cultivated whereas undrained phases are not cultivated.

6. WALLKILL SERIES

In New York the series has a marginal mollic epipedon at the type location. The range in characteristics indicates the epipedon may be either ochric or mollic. In Indiana the soil apparently has a mollic epipedon. The soils are inextensive and no useful purpose would be served in setting up a new series. Thus the portion with a mollic epipedon will be considered a taxadjunct.

Elkhart County, Indiana
by

F. W. Sanders, H. P. Ulrich, Frank R. Kirschner, and John E. McClelland

Aubbeenaubbee	Aeric Ochraqualfs, fine-loamy, mixed, mesic
Blount	Aeric Ochraqualfs, fine, illitic, mesic
Brady	Aquollic Hapludalfs, coarse-loamy, mixed, mesic
*Bremen	Typic Hapludalfs, fine-loamy, mixed, mesic
**Brems	Aquic Udipsamments, sandy, mixed, mesic
Bronson	Aquic Hapludalfs, coarse-loamy, mixed, mesic
Brookston	Typic Argiaquolls, fine-loamy, mixed, noncalcareous, mesic
Carlisle	Histosol
Chelsea	Alfic Udipsamments, sandy, mixed, mesic
Crosby	Aeric Ochraqualfs, fine-loamy, mixed, mesic
Del Rey	Aeric Ochraqualfs, fine, illitic, mesic
Dickinson	Typic Hapludolls, coarse-loamy, mixed, mesic
Dowagiac	Mollic Hapludalfs, fine-loamy over sandy or sandy-skeletal, mixed, mesic
Edwards	Histosol
Fox	Typic Hapludalfs, fine-loamy over sandy or sandy-skeletal, mixed, mesic
Gilford	Typic Haplaquolls, coarse-loamy, mixed, noncalcareous, mesic
Haskins	Aeric Ochraqualfs, fine-loamy, mixed, mesic
Homer	Aeric Ochraqualfs, fine-loamy over sandy or sandy- skeletal, mixed, mesic
Linwood	Histosol

Maumee	Typic Haplaquolls, sandy, mixed, noncalcareous, mesic
Metea	Arenic Hapludalfs, fine-loamy, mixed, mesic
Miami	Typic Hapludalfs, fine-loamy, mixed, mesic
Oshtemo	Typic Hapludalfs, coarse-loamy, mixed, mesic
Pewamo	Typic Argiaquolls, fine, mixed, noncalcareous, mesic
Plainfield	Typic Udipsamments, sandy, mixed, mesic
Rawson	Typic Hapludalfs, fine-loamy, mixed, mesic
Rensselaer	Typic Argiaquolls, fine-loamy, mixed, noncalcareous, mesic
Sebewa	Typic Argiaquolls, fine-loamy over sandy or sandy-skeletal, mixed, noncalcareous, mesic
Shoals	Aeric Fluventic Haplaquepts, fine-loamy, mixed, nonacid, mesic
Tawas	Histosol
Tedrow	Aquic Udipsamments, sandy, mixed, mesic
Tyner	Typic Udipsamments, sandy, mixed, mesic
Volinia	Typic Argiudolls, fine-loamy over sandy or sandy-skeletal, mixed, mesic
Wallkill	Thapto-Histic Haplaquepts, fine-loamy, mixed, nonacid, mesic
Washtenaw	Typic Haplaquents, fine-loamy, mixed, nonacid, mesic
Whitaker	Aeric Ochraqualfs, fine-loamy, mixed, mesic